

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	9	((("6252667") or ("6295171") or ("4258468") or ("6313918") or ("5933216") or ("5674414") or ("6040552") or ("6037564") or ("60387911") or ("4447291"))).PN.	USPAT; USOCR	OR	OFF	2007/05/11 11:22
S57	2	S56 and (mov\$4 near5 (optic\$4 lens))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:51
S58	2	((("6515257") or ("5463200"))).PN.	USPAT; USOCR	OR	OFF	2006/10/24 11:36
S59	2	laser with defin\$7 near5 (theta "f theta") adj3 lens	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/24 11:59
S60	248	independ\$7 with optic\$7 near focus\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:23
S61	57	S60 same laser	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:24
S62	18	S61 and ((laser beam) near2 (plural\$5 multiple array\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:30
S63	56	S60 and ((laser beam) near2 (plural\$5 multiple array\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:25
S64	6	S63 and independ\$7 near2 steer\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:32
S65	0	S60 and independ\$7 near2 steer\$4 not S64	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:33

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S66	104	(laser with (optic mirror mma)) and (independ\$7 near2 steer\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:34
S67	98	S66 not S64	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:34
S68	58	(laser with (optic mirror mma)) and ((laser beam) with (independ\$7 near2 steer\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:34
S69	35	(laser with (optic mirror mma)) and ((laser beam) with (independ\$7 near2 steer\$4) with (optic mirror mma))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:34
S70	29	S69 not S64	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:35
S71	0	S70 and mma	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:35
S72	4	S70 and mirror near array\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:35
S73	5786	(plural\$5 near5 (laser beam) with split\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:52
S74	315	S73 and ((independent\$4 individual\$4) near5 (steer\$4 focus\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:52
S75	71	S74 and (mov\$4 with (optic\$4 element) with focus\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:52

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S76	31	S75 and ((array\$4 simultaneous\$4) with (plural\$4 multiple) with beam)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:52
S77	10	S76 and ((depend\$5 independ\$5) near3 focus\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:52
S78	6	S77 and (theta "f theta") adj3 lens	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:52
S79	3192	((array\$4 simultaneous\$4) with (plural\$4 multiple) with (laser beam) with (imping\$4 deliver\$4 strik\$4 focus\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:52
S80	75	S79 and ((laser beam) with (imping\$4 deliver\$4 strik\$4 focus\$4) with (hole aperture aperture drill\$4 punch\$4 opening machin\$4) with (board substrate circuit pcb pc))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:52
S81	26	S80 and ((laser beam\$3) with (independent\$4 individual\$4) near5 (steer\$4 focus\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:52
S82	20	S81 not S78	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:52
S83	12	S82 and (laser with (independent\$4 individual\$4 steer\$4 focus\$4) with (imping\$4 deliver\$4 strik\$4 focus\$4 hole aperture aperture drill\$4 punch\$4 opening machin\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:52
S84	2	S83 and (mov\$4 near5 (optic\$4 lens))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:52

## EAST Search History

S85	2	S84 and focus	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:53
S86	0	S84 and focus\$3 with (fig figure)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 11:58
S87	40	((electrostatic near3 (lens\$4 multipole)) with optic\$4) same laser	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 12:01
S88	1	((electrostatic near3 (lens\$4 multipole)) with optic\$4) and (laser with beamlet)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 12:00
S89	110	((electrostatic near3 (lens\$4 multipole)) with optic\$4) and (laser adj beam)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 12:00
S90	17	((electrostatic near3 (lens\$4 multipole)) with optic\$4) same laser adj beam	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 12:11
S91	2	S90 and lens with focus	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 12:29
S92	100	"f-theta" with optic\$4 with laser with focus\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 12:13
S93	0	"f-theta" with optic\$4 with laser with focus\$4 with defin\$9	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 12:14
S94	21	"f-theta" with optic\$4 with defin\$9	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 12:15

## EAST Search History

S95	24	"f-theta" with defin\$9 not S94	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 12:16
S96	1	"f-theta" with definition not S94	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 12:16
S97	31	adjust\$4 with (beamlet "sub-beam" "sub-beams") with independently	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 12:30
S98	0	S97 same (optic\$4 near4 lens\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 12:31
S99	28	S97 same (optic\$4 lens\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 12:31
S10 0	7	S97 same optic\$4 same lens\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 12:33
S10 1	21	S99 not S100	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 12:44
S10 2	10	S101 and focus\$5 with convex	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/11 12:46
S10 3	100	array\$4 and focus\$5 and convex and lens\$4	JPO	OR	ON	2007/05/11 12:46
S10 4	0	mma and focus\$5 and convex and lens\$4	JPO	OR	ON	2007/05/11 12:47
S10 5	18	plural\$4 with laser and focus\$5 and convex and lens\$4	JPO	OR	ON	2007/05/11 12:47